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(51) INT CL<sup>7</sup>
E21B 43/10 33/14 , F16L 13/14

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US 4501443 A

(56) Documents Cited
GB 2347952 A GB 2347950 A GB 2344606 A
GB 1137310 A EP 0881354 A WO 99/35368 A
WO 98/00626 A US 5924745 A US 4707001 A
US 4703959 A US 4648627 A US 4577895 A

(58) Field of Search
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Online: WPI, EPODOC, JAPIO

(72) cont
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(74) continued overleaf

(54) Abstract Title

Wellbore casing with radially expanded liner extruded off of a mandrel

(57) An expandable threaded connection includes a first tubular member, a second tubular member and a threaded connection for coupling the tubular members that includes one or more sealing members.







Application No:

GB 0016917.7

Claims searched:

Examiner:

David Pepper

Date of search:

25 September 2000

Patents Act 1977
Search Report under Section 17

#### Databases searched:

UK Patent Office collections, including GB, EP, WO & US patent specifications, in:

UK C1 (Ed.R): E1F FJT, FLA

Int Cl (Ed.7): E21B

her: Online: WPI, EPODOC, JAPIO

#### Documents considered to be relevant:

Category	Identity of document and relevant passage		
X,E	GB 2347952 A	(Shell Int Research)	1
X,E	GB 2347950 A	(Shell Int Research)	1
X,E	GB 2344606 A	(Shell Int Research)	. 1
х	EP 0881354 A	(Sofitech N.V.)	1
х	WO 99/35368 A	(Shell Int Research) - see figure 4	1
х	WO 98/00626 A	(Shell Int Research)	1
-			

X Document indicating lack of novelty or inventive step A
Y Document indicating lack of inventive step if combined P
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A Document indicating technological background and/or state of the art.

P Document published on or after the declared priority date but before the filing date of this invention.

E Patent document published on or after, but with priority date earlier than, the filing date of this application.







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GB 0016917.7

43-52 Claims searched:

**Examiner:** 

David Pepper

Date of search:

25 January 2001

Patents Act 1977 Further Search Report under Section 17

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UK Patent Office collections, including GB, EP, WO & US patent specifications, in:

UK Cl (Ed.S): F2G

Int Cl (Ed.7): F16L

Other:

Online: WPI, EPODOC, JAPIO

#### Documents considered to be relevant:

Category	Identity of document and relevant passage		
Α	GB 1137310 A	(Commissariat a l'Energie Atomique)	
A	US 5924745 A	(Petroline Wellsystems Ltd)	-
x	US 4707001 A	(Seal-Tech Inc) - see col 5, lines 9-37	43-45
x	US 4703959 A	(Hydril Co)	43-45
х	US 4648627 A	(Dril-Quip Inc) - see col 4, lines 25-39	43-45,47
х	US 4577895 A	(Hub City Works Inc) - see col 2, lines 40-54	43,44
A	US 4501443 A	(Mannesmann Aktiengesellschaft)	-

Document indicating lack of novelty or inventive step

Document indicating lack of inventive step if combined with one or more other documents of same category.

Member of the same patent family

Document indicating technological background and/or state of the art. Document published on or after the declared priority date but before the

filing date of this invention.

Patent document published on or after, but with priority date earlier than, the filing date of this application.







Application No:

GB 0016917.7

Claims searched: 59-63

Examiner:

David Pepper

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Further Search Report under Section 17

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Other: Online: WPI, EPODOC, JAPIO

## Documents considered to be relevant:

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A,P	GB 2344606 A	(Shell Internationale Research Maatschappij B.V.)	* <u>-</u>

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